

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-8. (Cancelled)

9. (new) A developing device comprising: a stirring roller having stirring blades for stirring a developer; a developing roller for transferring the developer to an electrostatic latent image; a control member for controlling the amount of developer transferred to the electrostatic latent image by said developing roller; and a reflux plate for flowing back excess developer by controlling of said control member to said stirring roller; wherein one end portion of said reflux plate is disposed in the vicinity of the outer periphery of said stirring roller, and part of the developer stirred by said stirring roller flies toward said reflux plate,

characterized in that

said one end portion of said reflux plate is disposed above the fly peak point in the vertical direction of said one end portion of the developer provided by rotation of said stirring roller,

said one end portion of said reflux plate is disposed at a position where a plane passing through the rotation center axis of said stirring roller crosses said reflux plate at right angles, and

an inclination angle of said reflux plate is larger than an angle of repose of the developer.

10. (new) The developing device as set forth in claim 9, wherein the developer contains magnetic powder having an average grain diameter of 65 μm or smaller and toner having an average grain diameter of 7.5 μm or smaller.

11. (new) The developing device as set forth in claim 9, further comprising a developer supplying portion for supplying the developer, wherein

said stirring roller is disposed between said developer supplying portion and said developing roller, and

said one end portion of said reflux plate is disposed in the vicinity of the outer periphery on said developer supplying portion side of said stirring roller.

12. (new) The developing device as set forth in claim 11, wherein the developer contains magnetic powder having an average grain diameter of 65 μm or smaller and toner having an average grain diameter of 7.5 μm or smaller.

13. (new) An image forming device comprising:
a developing device for developing an electrostatic latent image including: a stirring roller having stirring blades for stirring a developer; a developing roller for transferring the developer to an electrostatic latent image; a control member for

controlling the amount of developer transferred to the electrostatic latent image by said developing roller; and a reflux plate for flowing back excess developer by controlling of said control member to said stirring roller; wherein one end portion of said reflux plate is disposed in the vicinity of the outer periphery of said stirring roller, and part of the developer stirred by said stirring roller flies toward said reflux plate; and

an image forming unit for forming on a sheet an image developed by said developing device;

characterized in that

said one end portion of said reflux plate is disposed above the fly peak point in the vertical direction of said one end portion of the developer provided by rotation of said stirring roller,

said one end portion of said reflux plate is disposed at a position where a plane passing through the rotation center axis of said stirring roller crosses said reflux plate at right angles, and

an inclination angle of said reflux plate is larger than an angle of repose of the developer.

14. (new) The image forming device as set forth in claim 13, wherein the developer contains magnetic powder having an average grain diameter of 65 μm or smaller and toner having an average grain diameter of 7.5 μm or smaller.

15. (new) The image forming device as set forth in claim 13, wherein

said developing device further includes a developer supplying portion for supplying the developer,

said stirring roller is disposed between said developer supplying portion and said developing roller, and

said one end portion of said reflux plate is disposed in the vicinity of the outer periphery on said developer supplying portion side of said stirring roller.

16. (new) The image forming device as set forth in claim 15, wherein the developer contains magnetic powder having an average grain diameter of 65 μm or smaller and toner having an average grain diameter of 7.5 μm or smaller.